



# Facility Management Standard

for facilities, infrastructure, & environment

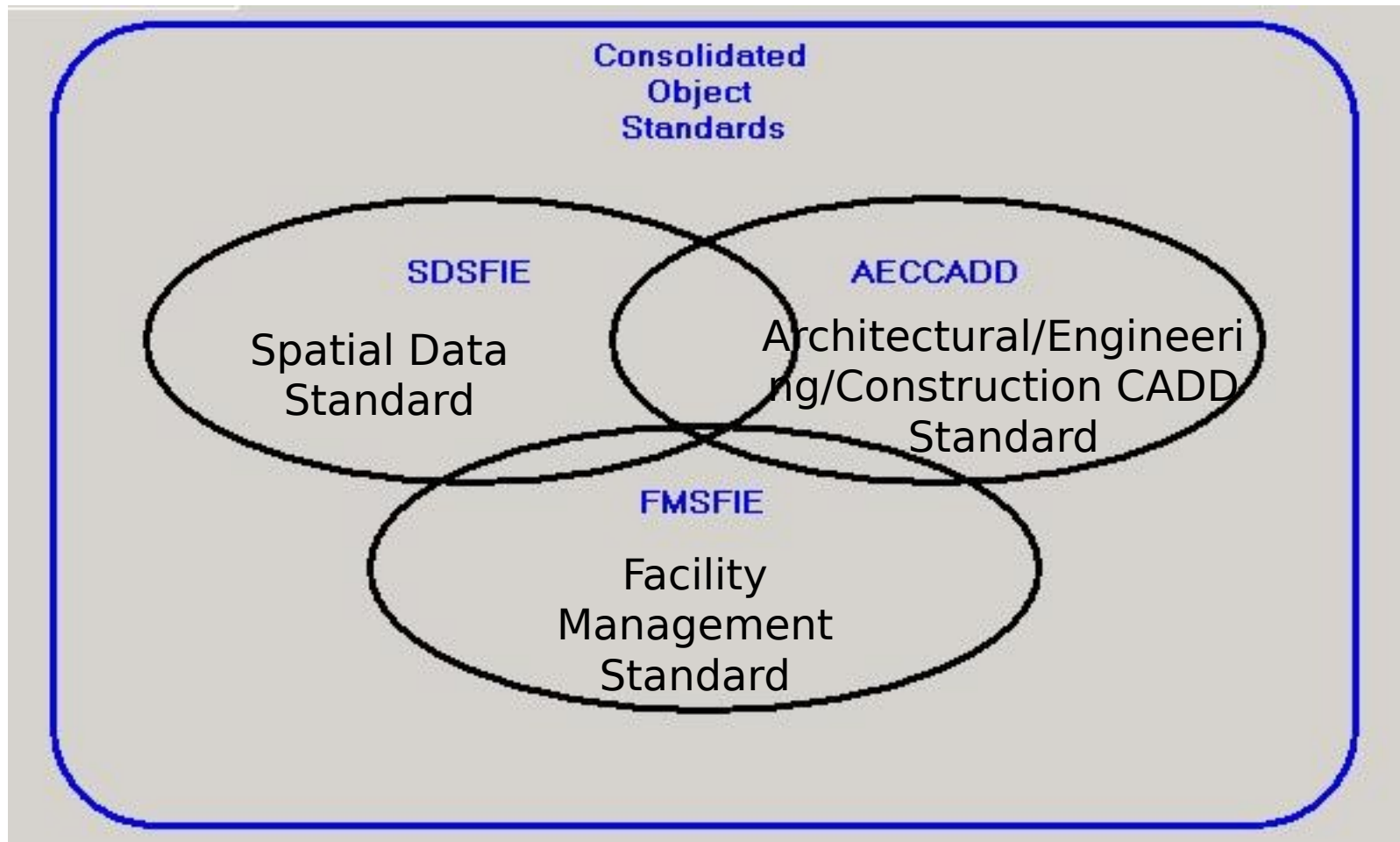
(FMSFIE)

Bobby Carpenter  
CADD/GIS Technology Center  
*for facilities, infrastructure, and environment*  
phone: 601-634-4572

E-mail: [Bobby.G.Carpenter@erdc.usace.army.mil](mailto:Bobby.G.Carpenter@erdc.usace.army.mil)

CADD GIS Technology Center Internet  
URL : <https://tsc.wes.army.mil>

# Facility Management Standard (FMSFIE)



# Facility Management Standard (F

- **Facility Management Standard** for facilities, infrastructure, & environment
- **Acronym - FMSFIE**
- **CADD/GIS Technology Center**  
**Project No. 96.015**
- **Prototype Implementation** at  
Retuxent River Naval  
**Website**  
Air Station, Maryland

<https://tsc.wes.army.mil/products/tssds-tsffms/fms/fmsprods.asp>



# Facility Management Standard (F

- Develop **Transactional Data Content Standard** to support life cycle Facility Management (FM) functions at Military Installations and USACE Civil Works Projects.
  - **Facilitate compliance with legal reporting requirements.**
- Improve efficiency and lower costs associated with collection, management, analysis, and reporting of FM data.
- Provide **Non-Proprietary Data**



FMSFIE Website -  
<https://tsc.wes.army.mil/products/tssds-tsfmts/fms/fmsprods.asp>

# Facility Management Standard (FMSFIE) - Website

- **What is Available from FMSFIE Website?**
  - Current FMSFIE Release (Data Standard & Software Tools)
    - Release 2.31 available today
    - Release 2.40 to be available in October 2004
  - Papers and Guidance
    - Information Model
    - Data Element Naming Conventions
    - Implementation Guide
  - PowerPoint Slides
  - Data Models

FMSFIE Website -

<https://tsc.wes.army.mil/products/tssds-tsfms/fms/fmsprods.asp>

# Facility Management Standard (FMSFIE) - Website

## Where is Website?

1. Go to CADD/GIS Technology Center Website

<https://tsc.wes.army.mil>

2. Select "FM Standards (FMSFIE) from "Products" menu





# Facility Management Standard (FMSFIE) - Website

- **Where is Website?**

3. Make selection from menu.

The screenshot shows a Microsoft Internet Explorer browser window displaying the CADD/GIS Technology Center FMSFIE website. The address bar shows the URL: <https://tsc.wes.army.mil/products/tssds-tsfsms/fms/fmsprods.asp>. The website header features the CADD/GIS Technology Center logo and the tagline "for facilities, infrastructure, and environment". A navigation menu is visible on the left side, listing various sections: News, Download Standard, Meetings, Data Models, Project Development, Comments, FAQ, Papers, Slides, and Other Sites. The main content area displays a "Welcome..." message, followed by "to the Facility Management Standard for Facilities, Infrastructure, and Environment FMSFIE". Below this, a paragraph states: "One of the major initiatives assigned to The CADD/GIS Technology Center has been the development of the Facility Management Standard for Facilities, Infrastructure, and Environment (FMSFIE)."

The CADD/GIS Technology Center FMSFIE Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <https://tsc.wes.army.mil/products/tssds-tsfsms/fms/fmsprods.asp>

CADD/GIS TECHNOLOGY CENTER

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Comments

FAQ

Papers

Slides

Other Sites

**Welcome...**

to the

**Facility Management Standard**

for

**Facilities, Infrastructure, and Environment**

**FMSFIE**

One of the major initiatives assigned to The CADD/GIS Technology Center has been the development of the Facility Management Standard for Facilities, Infrastructure, and Environment (FMSFIE).

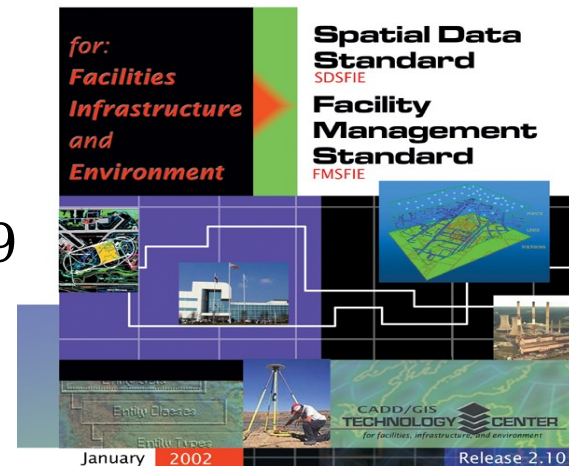


# Facility Management Standard (FMSF) - Development History

- **1998 - 2002:** Facility Management Standard Developed/Published as Sub-Set of Spatial Data Standard.

- TSSDS/TSFMS Release 1.80 - February 1999
- SDS/FMS Release 1.90 - December 1999
- SDS/FMS Release 1.95 - April 2000
- SDSFIE/FMSFIE Release 2.00 - January 2001
- SDSFIE/FMSFIE Release 2.10 - January 2002
- SDSFIE/FMSFIE Release 2.20 - August 2002

- **2003 - Present:** Facility Management Standard



# The Challenges we face

## USERS



Information systems don't reflect the real work environment or provide the right information

## DECISION MAKERS



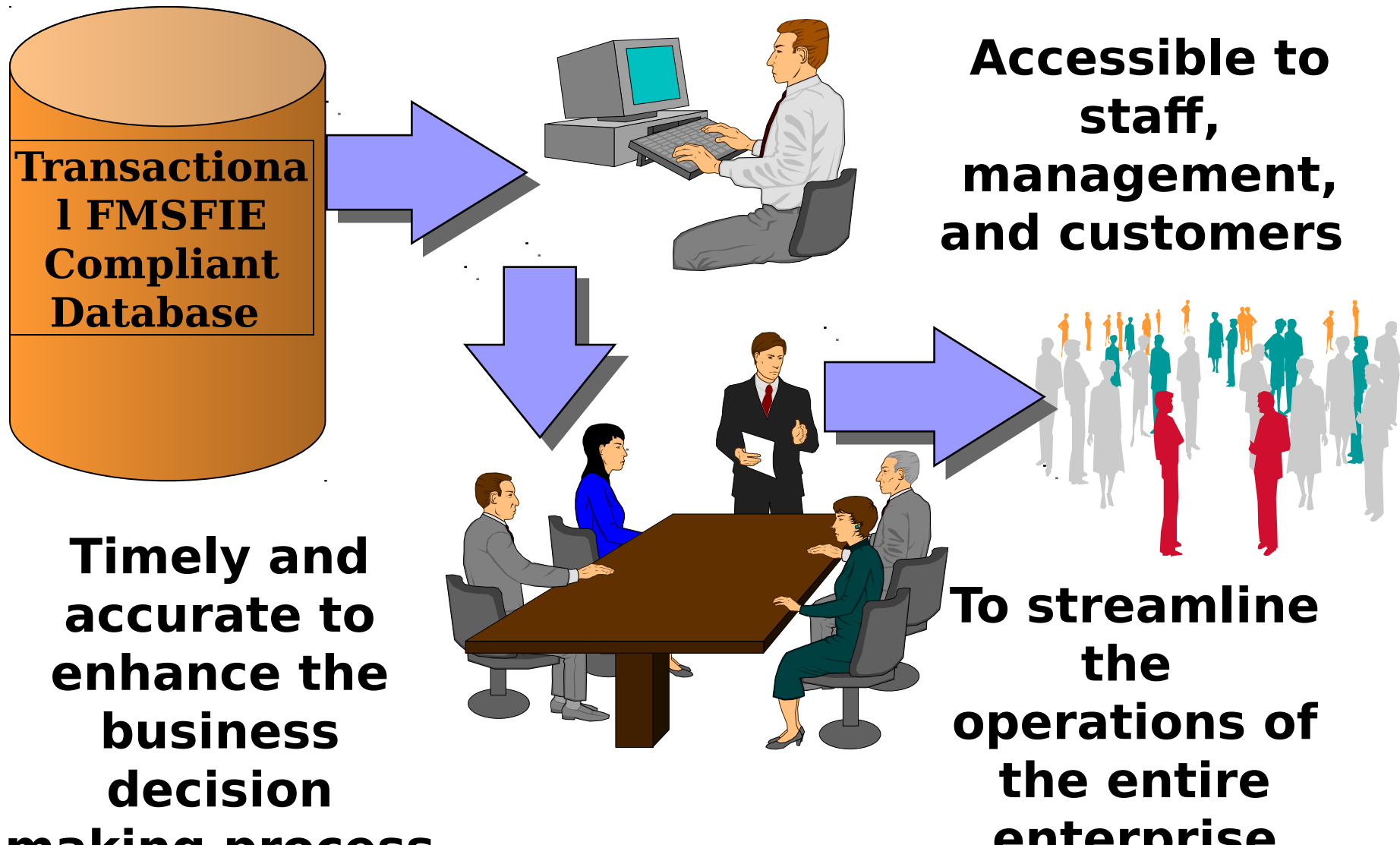
Business information is not integrated and has little decision support capability or credibility

## DEVELOPERS



- Problems understanding the Complex Business being supported
- Clouded big picture (vision) and approach

# Facility Management Standard (FMSFIE) - Benefits



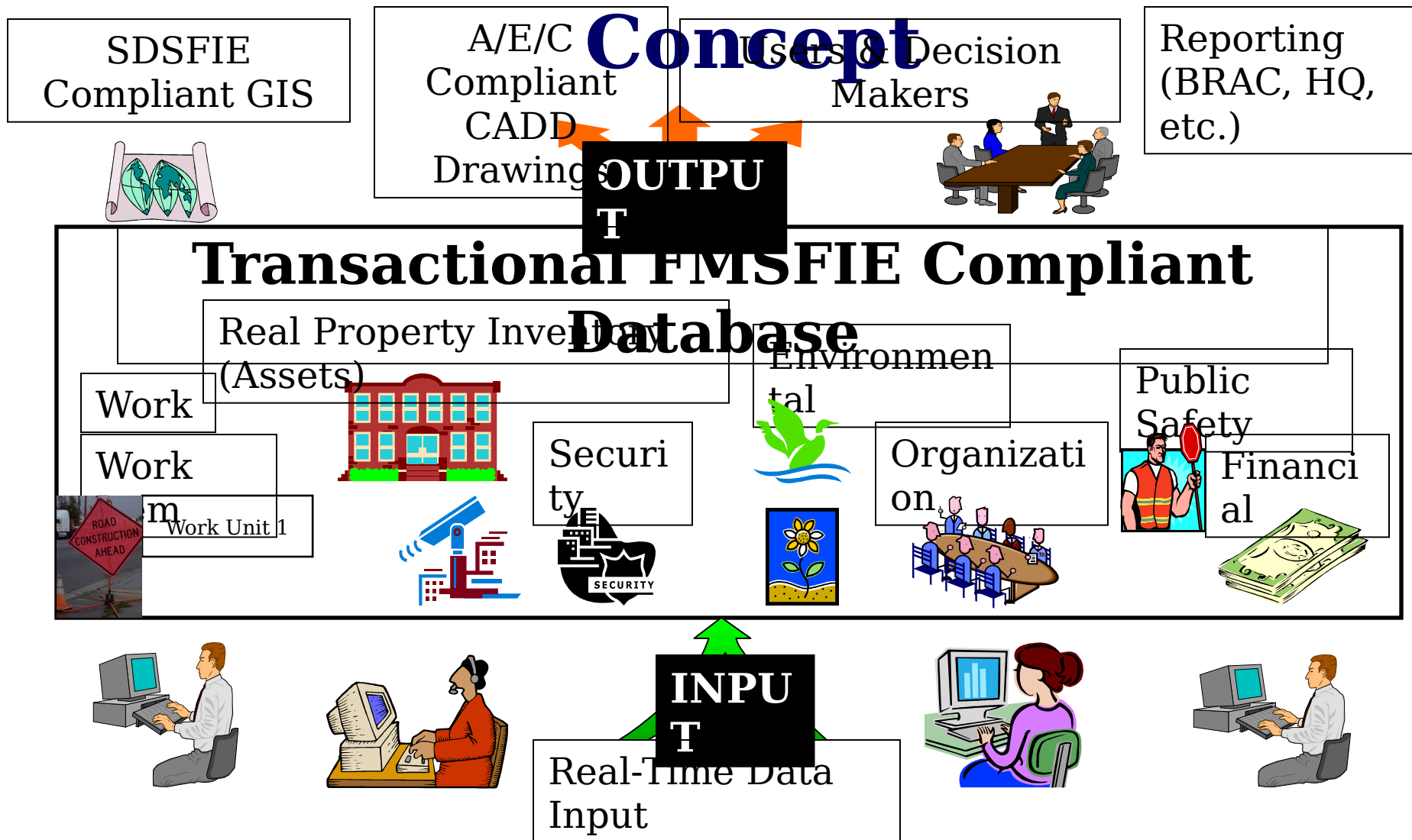
# Facility Management Standard (F

## Transactional -

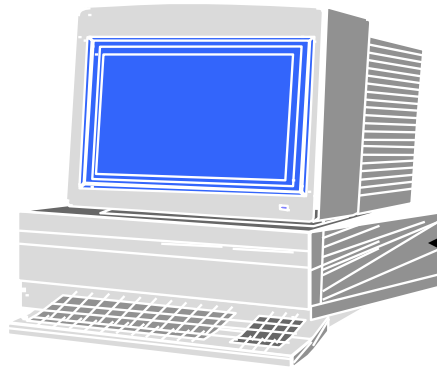
- Communicative actions or activities, involving multiple parties or things that reciprocally affect each other in a near real time setting that is based on life cycle events.
- Real Time, Temporal Data.



# Facility Management Standard (FMSFIE) - Implementation

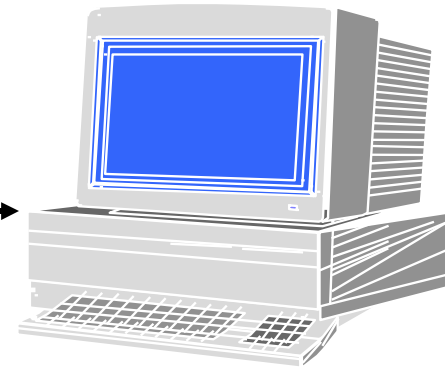
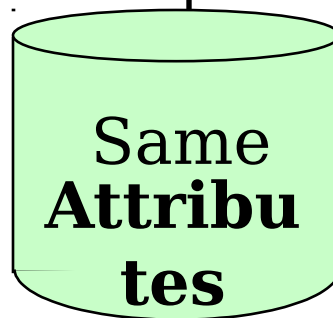


# Facility Management Standard (FMSFIE) - Ideal Integration Concept



## Non-Graphic Systems

- Financial
- Real Property (Assets)
- Work (Work Orders)
- Personnel
- Security



## Graphic Systems

- GIS
- CADD
- Building Information Systems
- Space



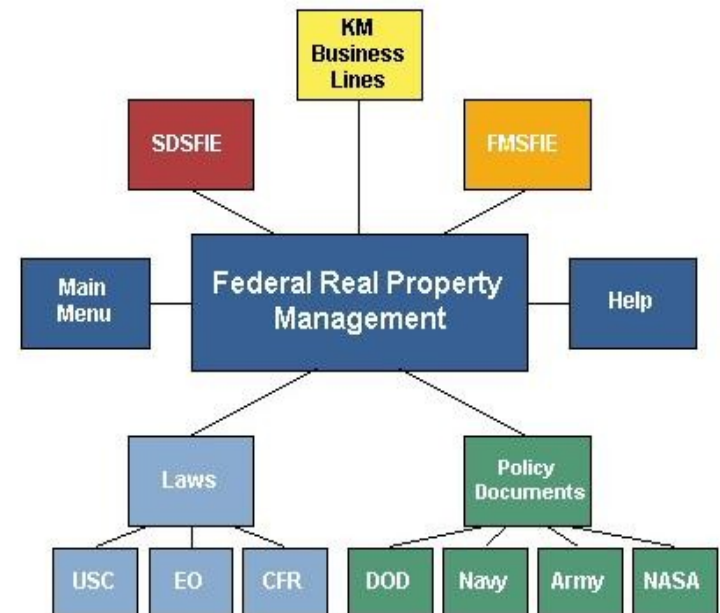
# Facility Management Standard (F

## Framework Based Upon:

- Prototype Implementation at Patuxent River Naval Air Station, Maryland.
- DoD & Federal Real Property Requirements.
- Integration with Spatial Data Standard (SDSFIE) Compliant GIS.
- Integration with A/E/C CADD Standard Compliant CADD Drawings.
- Compatible with Commercially Available GIS, CADD, & Relational Database Software.
- FM Focus and other Groups.

# Federal Real Property Management (RPM) Website

- Web Site to contain U.S. Codes and Executive Orders governing acquisition, maintenance, and disposal of Real Property holdings.
- Provide Traceability Matrix listing of Federal Legal Reporting Requirements Supported by FMSFIE and SDSFIE. Coverage expanded each Fiscal Year.
- Provide web-based FMSFIE Data Dictionary for FMSFIE Information Model (Sets, Classes, Sub-Classes)



**RPM Web Site URL -**  
<https://rpm.wes.army.mil/>

# Federal Real Property Management (RPM) Website

## Where is RPM Website?

1. Go to CADD/GIS Technology Center Website  
<https://tsc.wes.army.mil>
2. Select "Real Property Regulations from "The CADD/GIS Technology Center" menu



# Federal Real Property Management (RPM) Website

## FMSFIE Entity Set

Entity Set	Entity Set Description	Entity Class Link
<a href="#">asset_management</a>	Items comprising an inventory of Federal real property and other related entities based on classification and need to support organizational requirements. Includes: (1) tangible physical items comprising the inventory of Federal real property that can be referenced by location; (2) non-tangible items that cannot always be defined by a location, or do not exist as an inventory item in the real property management inventory.	<a href="#">Class Link</a>
<a href="#">environmental_management</a>	Defines the stewardship responsibilities as they relate to the environmental management practices.	<a href="#">Class Link</a>
<a href="#">financial_management</a>	Planning, programming, and execution of appropriations associated with real property management.	<a href="#">Class Link</a>
<a href="#">information_security_management</a>	Controlled access to data and information as it is related to the roles of personnel.	<a href="#">Class Link</a>
<a href="#">organization_management</a>	A structured grouping of personnel and the roles they perform as it relates to an integrated work environment.	<a href="#">Class Link</a>
<a href="#">public_safety_management</a>	Issues related to the protection of personnel and property.	<a href="#">Class Link</a>
<a href="#">work_management</a>	Change management that consists of planning, programming, acquisition, operations, maintenance, revitalization, evaluation, and disposal actions affecting real property and other related entities.	<a href="#">Class Link</a>



# Federal Real Property Management (RPM) Website

## Laws Related To FMSFIE Entity: Assets

### United States Code

Law Number	Title	Full Text	Traceability Matrix	Status
40 USC 285	Buildings under control of Administrator of General Services	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active

### Executive Order

Law Number	Title	Full Text	Traceability Matrix	Status
EO 12512	Federal Real Property Management	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active
EO 12803	Infrastructure Privatization	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active



## Policy Documents Related To FMSFIE Entity: Assets

### Department of Defense

Document Number	Title	Full Text	Traceability Matrix	Status
DODI 4165.3	Uniform Facility Classes and Construction Categories	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active
DODI 4165.67	Revitalizing Base Closure Communities - Base Closure Community Assistance	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active
DODM 4145.19-R	Storage and Warehousing Facilities and Services	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active

### Navy

Document Number	Title	Full Text	Traceability Matrix	Status
OPNAV 11010.34	Instructions for Preparation and Submission of the Type	<a href="#">Full Text</a>	<a href="#">Related Information</a>	Active

### NAVFAC

# Federal Real Property Management (RPM) Website

## Spatial Data Standards for Facilities Infrastructure and Environment

Entity Set	Description	Entity Classes
auditory	The generation and detection of sounds or noise in the environment.	<a href="#">Class List</a>
boundary	The borders or boundaries that define logical or political divisions or subdivisions.	<a href="#">Class List</a>
buildings	The structures located on the face of the earth that were created, by man, to protect man and his possessions from the environment; or to enhance man's activities.	<a href="#">Class List</a>
cadastre	The man-made division of land into areas of ownership and control.	<a href="#">Class List</a>
climate	The movement and effects associated with the earth's atmosphere.	<a href="#">Class List</a>
common	The information that describes the overall data set or components of data that are common to all entity sets.	<a href="#">Class List</a>
communications	The means available to relay data and translate data.	<a href="#">Class List</a>
cultural	The activities of man that are historically significant.	<a href="#">Class List</a>
demographics	The information pertaining to man's trends or traits.	<a href="#">Class List</a>
ecology	The information pertaining to the interrelationship between organisms and their environments.	<a href="#">Class List</a>
environmental hazards	The identification and management of natural and manmade substances, materials, and conditions which are, or have the potential to be, detrimental to life and ecosystems on the earth.	<a href="#">Class List</a>
fauna	The study of the animals in a region or environment.	<a href="#">Class List</a>
flora	The study of the plant life in a region or environment.	<a href="#">Class List</a>
future projects	The information that describes planned projects for future development.	<a href="#">Class List</a>
geodetic	The information pertaining to the size and shape of the earth.	<a href="#">Class List</a>
geology	The geologic features and processes occurring in a given region on the earth.	<a href="#">Class List</a>



# Federal Real Property Management (RPM) Website

- Contains over 1,173 Federal Laws & Policy Documents
- Contains Traceability Matrix of Federal Legal Reporting Requirements supported by:
  - All SDSFIE Entity Sets (total of 26).
  - All SDSFIE Entity Classes (total of 169).
  - All FMSFIE Entity Sets (total of 7).
  - 33 FMSFIE Entity Classes.

## Site Document Information

Total Number of Laws and Policy Documents: 1173	
Laws:	757
United States Codes:	265
Executive Order:	93
Code of Federal Regulations:	373
Other Laws:	25
Policy Documents:	366
Department of Defense:	73
Navy:	192
Navy Claimancy:	125
Army:	50
NASA:	32
Air Force:	1
Other Policy Documents:	15
External Document Links:	1144

# Facility Management Standard (FMSFIE)

## General Development Steps

**Step 1:** Strategic Plan

**Step 2:** Conceptual Data Model

**Step 3:** Naming Conventions &  
Design Criteria

**Step 4:** Identify Priority Areas

**Step 5:** Logical & Physical Data  
Models

**Step 6:** FMSFIE Library

**Step 7:** Software Tools to  
Facilitate Use

**Step 8:** Written Guidance to



# FMSFIE Strategic Plan

## FMSFIE Strategic Plan -

- Provides goals and objectives for development of FMSFIE.
- Provides plan for migrating FMSFIE to a transactional data model.
  - FMSFIE initially developed as subset of SDSFIE.
- Initial Plan Developed in 2000. Updated periodically, as required.

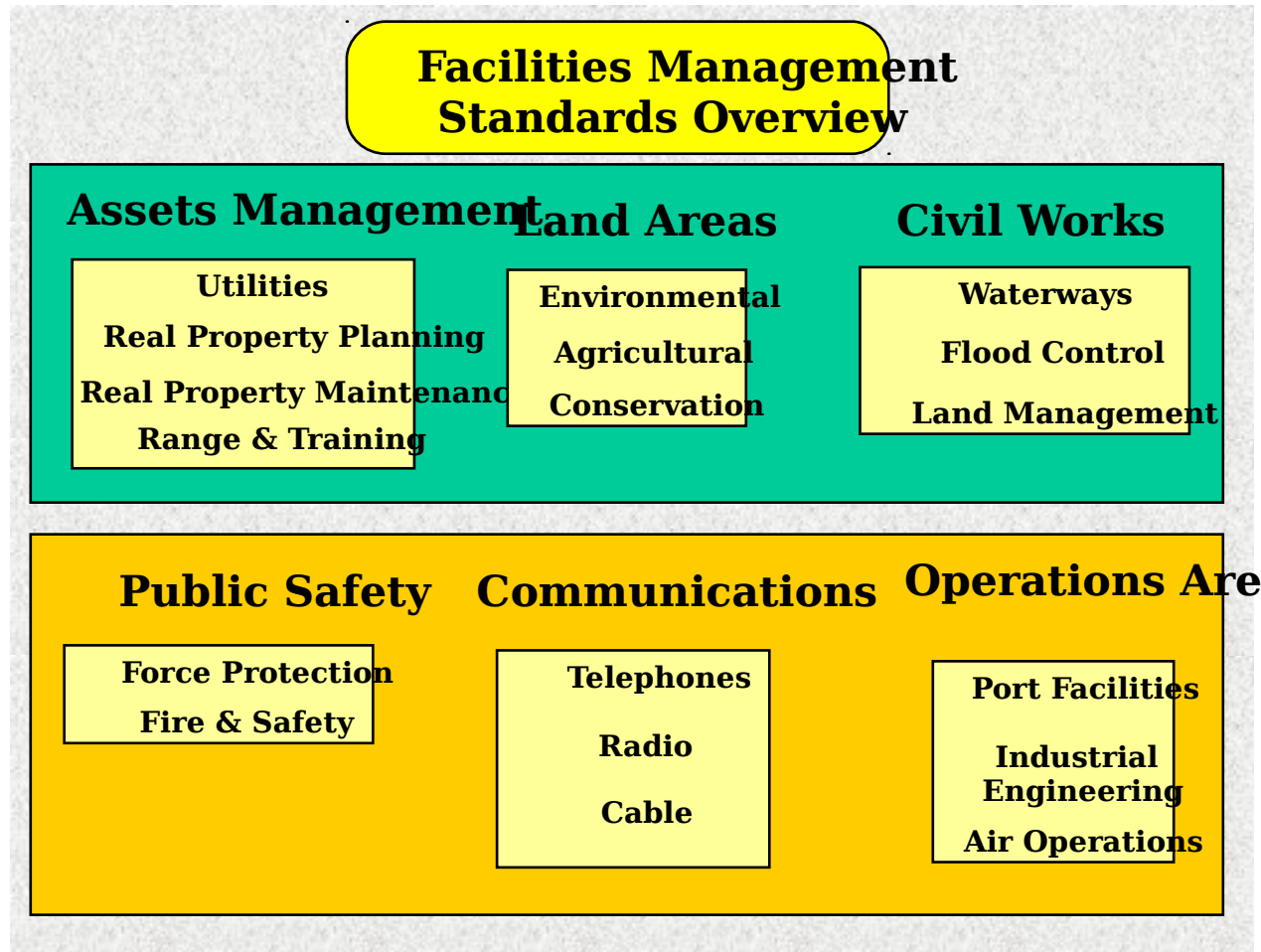


- Updated at October 2003 FMSFIE Working Meeting.

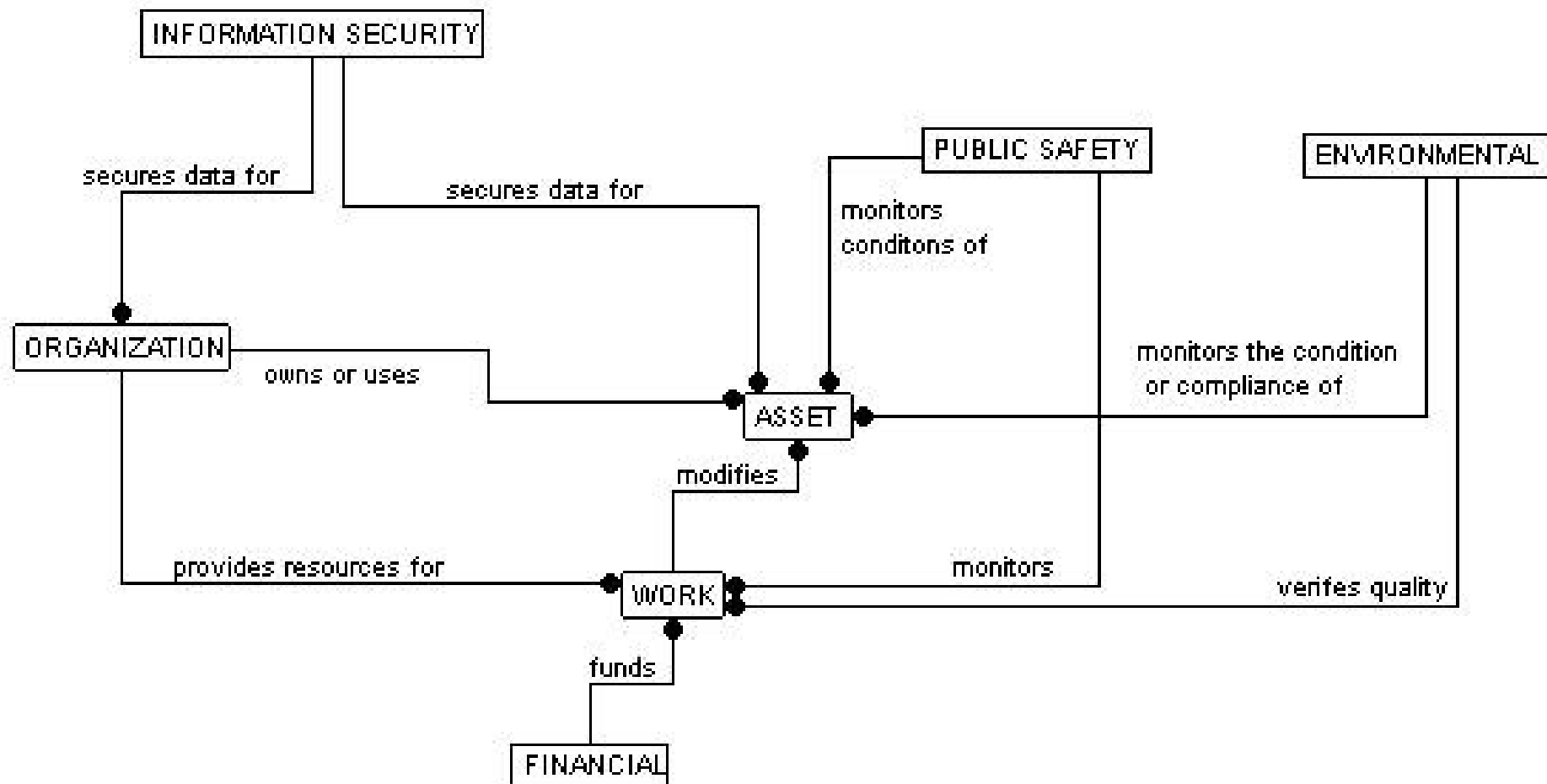
# FMSFIE Broad Focus Areas

- Broad **Focus areas** are within Facilities, Infrastructure, and Environment Business Plan for the Center

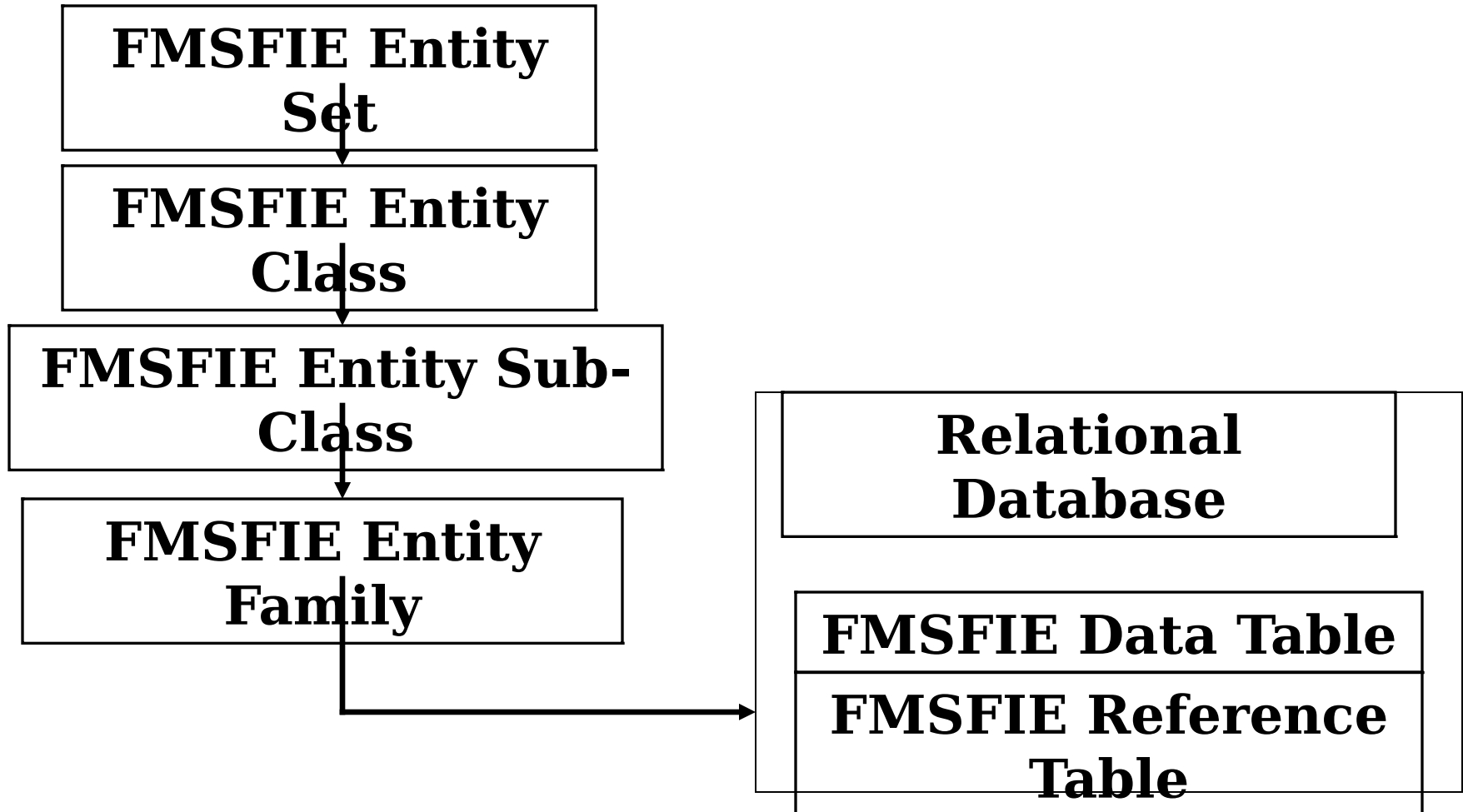
- Work with the Broad **Associated Areas** as needed to support the Broad **Focus**



# FMSFIE - Conceptual Data Model



# FMSFIE - Information Model Hierarchy





# FMSFIE - Information Model

## Hierarchy Definitions

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- **Entity Set:** Broad grouping of Real Property Management responsibilities.
- **Entity Class:** Sub-Grouping of an Entity Set providing grouping of similar real property classifications based upon legal reporting requirements.
- **Entity Sub-Class:** Sub-Grouping of an Entity Set based upon similar life-cycle event and temporal real property information.
- **Entity Family:** A functional sub-group of an Entity Sub-Class corresponding to different business disciplines, or different perspectives in the way data is structured below the Entity Sub Class.

# FMSFIE Information Model

- **Includes Seven Entity Sets:**
  - Asset Management
  - Work Management
  - Environmental Management
  - Organization Management
  - Public Safety Management
  - Information Security Management
  - Financial Management



# FMSFIE Entity Sets - Asset Management

## Asset Management:

- Items comprising an **inventory of federal real property** and other related entities based on classification and need to support organizational requirements.
- Includes:
  - **Tangible Physical Items** comprising inventory of federal real property that can be referenced by a location;
  - **Non-Tangible Items** that cannot always be defined by a location, or do not exist as an inventory item in

# FMSFIE - Asset Management

## Tangible Physical Items:

- Items Comprising Inventory of Federal Real Property that can be Referenced by a Physical Location on the Earth.
- Can be Categorized as:
  - **Facility** -
    - Building, Utility, Structure
  - **Equipment** -
    - Personal, Minor, Industrial
  - **Land** -
    - Improved, Semi-Improved, Unimproved, Easement
  - **Transportation** -
    - Vehicles, Weight Handling Equipment, Material



# FMSFIE Asset Management Entity Set - Classes

## Asset Management - Set

### Classes

Transportation

Non-Tangible

Core (Common)

Land  
(Real Property Class 1)

Facility  
(Real Property Class 2)

Equipment  
(Real Property Classes 3 & 4)

# FMSFIE Asset Management Entity Set

---

**Facility - Class**

```
graph TD; A[Facility - Class] --> B[Structure]; A --> C[Utility]; A --> D[Building];
```

**Sub-Classes**

**Structure**

**Utility**

**Building**

Follows DoD Real Property Class  
2 Model



# FMSFIE Asset Management Entity Set - Facility Class

## Building - Sub-Class

### Families

Architectural

Structural

Security

Telecommunications

Fire Protection

Space

Mechanical

Electrical

Plumbing

Interior Design

Follows A/E/C CADD Standard  
Model

# FMSFIE Asset Management Entity

## Set - Facility Class - Building

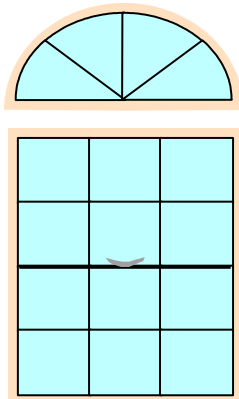
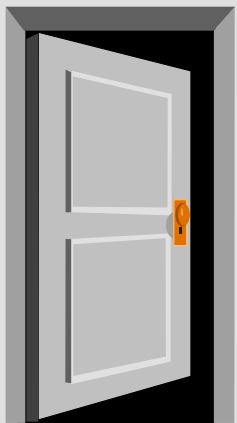
### Building: Sub-Class

- Components of a Building.
- Includes Utilities and Built-In Equipment Located Inside a Building.

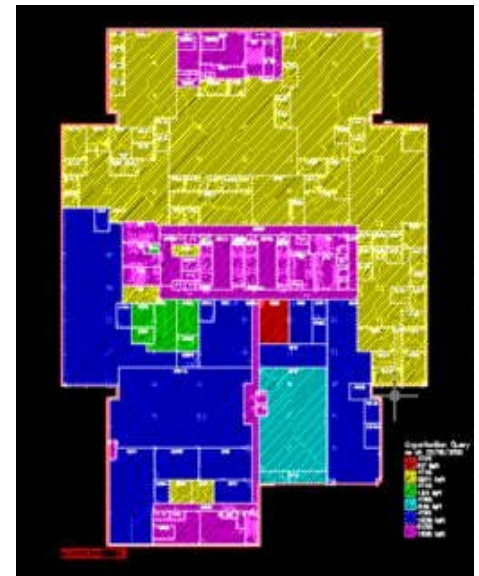
Architectural

Fire Protection

Space



Security



# FMSFIE Asset Management Entity Set - Facility Class

## Utility - Sub-Class

### Families

Water

Fuel

HVAC

Wastewater

Electrical

Tanks

Storm Water

Natural Gas

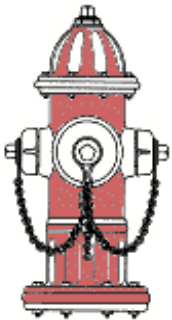
Follows SDSFIE  
Model

# FMSFIE Asset Management Entity Set - Facility Class - Utility Sub-

## Utility: Class

- Components of a Utility.
- Includes Utilities Located Outside of Buildings.

### Water



### Fuel



### Electrical



### Tanks



# FMSFIE Asset Management Entity Set - Facility Class - Structure

## Structure: Sub-Class

- Real Property Ground Improvements not associated with a Building or Utility.

### Vehic le



### Navigation



### Ports & Harbors



# FMSFIE Entity Set

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## Definitions - Cont.

- **Work Management:** Change management that consists of planning, programming, acquisition, operations, maintenance, revitalization, evaluation, and disposal actions affecting real property (assets) and other related entities.
- **Financial Management:** Planning, programming, and execution of appropriations associated with real property management.
- **Environmental Management:** Defines the stewardship responsibilities as they relate to the environmental management practices.
- **Public Safety Management:** Issues related to the protection of personnel and property.
- **Organization Management:** A structured grouping of personnel and the roles they perform as it relates to an integrated work environment.



# FMSFIE - Design Considerations

- Compatible with Commercially Available Relational Database Management System (RDMS) Software.
- Compatible with SDSFIE & A/E/C CADD Standards.
- Compatible with Commercially Available CADD & GIS Software.
- Compatible with Microsoft Windows Operating Systems.
  - Windows 2000 & XL
- Define Data Model to Support Federal FM Legal Reporting Requirements.
- Support DISA and ISO Naming Conventions.
- Support Transactional Data Model & Schema.
- Provide User-Friendly Naming Conventions.
  - One Table Name & Attribute Field Name.
  - Table Names & Attribute Field Names are Meaningful to User.
  - Support Current & Future RDMS (i.e., DOS is not supported).

# FMSFIE Relational Database - Table Definitions

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- **Data Table:** Relational database table comprising a grouping of similar records.
  - Also called Attribute table.
  - Database table used by Users for data entry.
- **Reference Table:** Relational database table containing a listing of valid, permissible, or reference values.
  - Also called Domain and Lookup Values.
  - Incorporate SDSFIE Domain Values, where applicable.

# Why Use a Relational Database?

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- Data organization
  - organized by functional area
- Data updates
  - change 1 table, not multiple tables
- Less redundancy
  - data stored once
- Sharing of data
  - sharing = savings

# Relational Database Terminology

- Database - A structured collection of data items about a specific topic
  - ✓ Cell - Storage unit for each data item
  - ✓ Table - A group of similar records
    - Field - a “column” of related cells
    - Record - a “row” of related cells
  - ✓ Key - A field with a unique identifier
    - Primary Key / Foreign Key



STUDENTS		
KEY	LAST NAME	FIRST NAME
1001	Smith	John
1074	Erickson	Colleen
1123	O'Brien	Debbie
1234	Pierce	Kevin
1399	Smith	John

# Relational Database Terminology

- In a relational database, more than 1 database table can be 'linked' or 'joined' together.
- Two basic components:
  - **Relationship** - The joins (linkage) between database tables - Requires a unique identifier.
    - **Primary Keys** - Unique identifier for each record in a database table.
    - **Foreign Keys** - Unique identifier for records in another database table, that are related through database joins (linkage).
  - **Reference Table (Domain Table)** - Provides a set of valid values for a field.

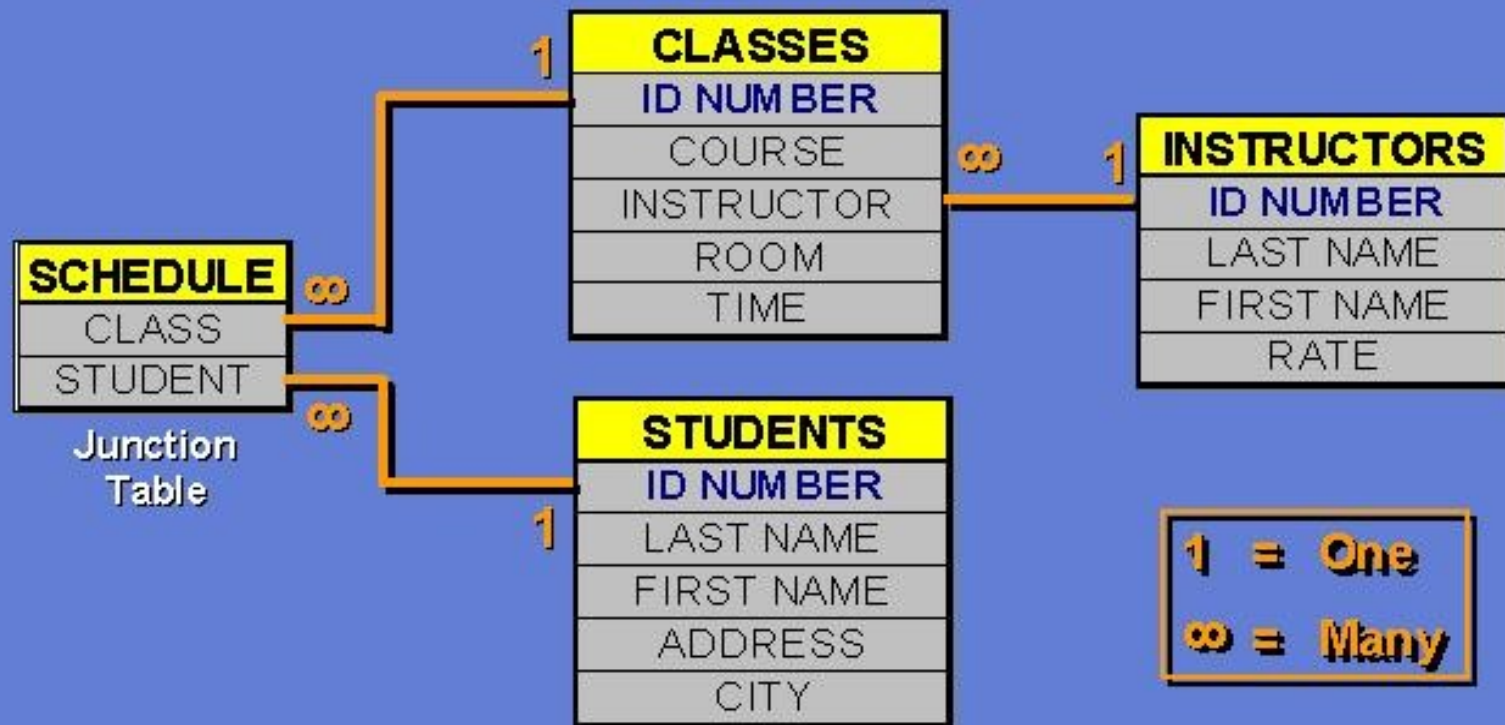
# **Commercially Available Relational Database Management System (RDMS) Software**

- Microsoft Access
- Oracle
- SQLServer
- Informix
- Paradox
- FoxPro
- Sybase



# Relational Database Management System (RDBMS)

## RDBMS Example Database



# Relational Database Management System (RDBMS)

## RDBMS Example Data

SCHEDULE	
CLASS	STUDENT
S118	1123
S118	1074
S118	1074
S118	1074
S333	1123
S541	1074
T555	1074
T574	1074
T574	1123
T555	1234

Foreign  
Key

Foreign  
Key

KEY STUDENTS				
ID #	LAST NAME	FIRST NAME	ADDRESS	CITY
1001	Smith	John	100 W. Main St.	Anytown
1074	Grickson	Colleen	675 Yellow Lane	Emerald City
1123	O'Brien	Debbie	231 E. West St.	Montezuma
1234	Pierce	Kevin	100 E. Fairview	Dayton
1300	Smith	John	328 Elm St.	Springfield

KEY CLASSES				
ID #	COURSE	INSTRUCTOR	ROOM	TIME
S118	Relational & Object Databases	I014	102	Slot 1
S541	Selecting Sequence Suits	I123	101	Slot 1
S333	Controlling Your Cape	I123	100	Slot 4
T574	Lighting: Friend or Foe	I002	103	Slot 2
T555	Life as a Poisonous Nut	I111	101	Slot 4

KEY INSTRUCTORS			
ID #	LAST NAME	FIRST NAME	RATE
I002	Hecklin	Benjamin	\$5.00
I014	Pierce	Kevin	\$0.01
I111	Duckeye	Shatus	\$7.50
I123	Freestey	Eric	\$10.00

# What is the Relationship?

ASSET_SAI	ASSET_I	ASSET_N
1	8000	ITL Bldg
2	1006	Environ Lab

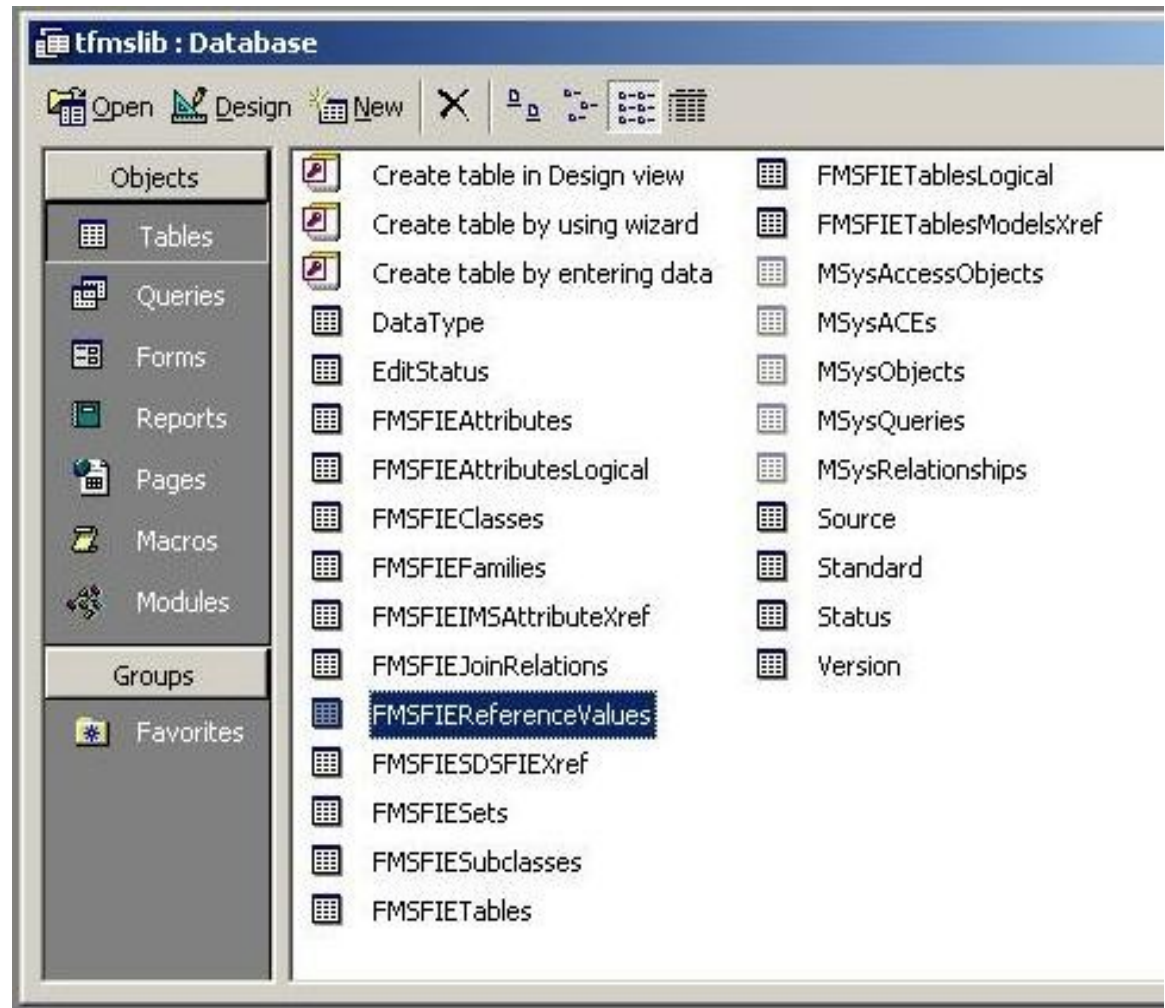


ASSET_SAI	ASSET_I	INSPECT_DA
1	8000	12-01-1994
2	1006	4-25-1988
1	8000	7-25-1998

By creating a relationship, information can be linked together and doesn't have to be stored or

# Utility Management Standard (FMSFI FMSFIE Data Library

- Updated Annually
- Filename – tfmslib.mda
- Automatically in “FMSFIE” folder under “Program Files”.



# FMSFIE Concepts

## Pipe



<b>PIPE Table</b>	<b>KEY TYPE</b>
PIPE_SAID	Primary
PIPE_MAT_TYP_SAID	Foreign
PIPE_USE_TYP_SAID	Foreign
PIPE_INSTALL_TYP_SAID	Foreign

SAID = System Assigned  
Identifier

# FMSFIE Concepts

<b>PIPE</b>
PIPE_SAID - PK
PIPE_MAT_TYP_SAID - FK

<b>PIPE_MATERIAL_TYPE_REF</b>		
PIPE_MAT_TYP_SAID - PK	PIPE_MAT_TYP_CD	PIPE_MAT_TYP_NM
1	PVC	Polyvinyl Chloride
2	DUCTILE_IRON	Ductile Iron
3	STEEL	Steel
4	COPPER	Copper

CD = Code (C16 as per SDSFIE)

NM = Name (Common or Long Name)



# FMSFIE Concepts

PIPE	
PIPE_SAID - PK	
PIPE_USE_TYP_SAID - FK	

PIPE_USAGE_TYPE_REF		
PIPE_USE_TYP_SAID - PK	PIPE_USE_TYP_CD	PIPE_USE_TYP_NM
1	WATER_MAIN	Water Main
2	SANITARY_SEWER	Sanitary Sewer
3	NATURAL_GAS	Natural Gas
4	BLDG_WATER	Building Water

CD = Code (C16 as per SDSFIE)

NM = Name (Common or Long Name)

# FMSFIE Concepts

PIPE	
PIPE_SAID - PK	
PIPE_INSTALL_TYP_SAID - FK	

PIPE_INSTALLATION_TYPE_REF		
PIPE_INSTALL_TYP_SAID - PK	PIPE_INSTALL_TYP_CD	PIPE_INSTALL_TYP_NM
1	UNDERGROUND	Under Ground
2	ABOVE_GROUND	Above Ground
3	BUILDING	Building
4	SUBMERGED	Submerged

# What is the FMSFIE Toolbox?

## ■ Desktop Tools -

- Self-contained Microsoft Visual Basic (32 bit) Applications for Windows Operating Systems.
  - Releases 2.30 & 2.31 (October 2003 & March 2004) – Browser
  - Release 2.40 (October 2004) – Browser & Database Builder
- Install and Run on Personal Computer with Windows Operating System. (Windows 2000 and XP)
- No Additional Software Required.
- Most current Release available for download from CADD/GIS Technology Center FMSFIE Internet Web Site.

## ■ Web Browser -

- Web-based Browser developed using Microsoft .NET technology.
  - Release 2.40 (October 2004)

# FMSFIE Toolbox - Desktop Tools

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- **Desktop Browser:**
  - Provides tool for viewing & printing the various components of the Data Standard. (Releases 2.30, 2.31, & 2.40)
- **Desktop Access Database Builder:**
  - Provides a tool for building FMSFIE compliant Microsoft Access 2000 database tables, complete with the relational joins between tables. (Release 2.40)
- **Desktop Transactional Database Builder:**
  - Provides a tool for building FMSFIE Compliant Oracle and Microsoft SQL Server databases. (Release 2.40)

# FMSFIE Toolbox - Beta Release 2.40

## Desktop Browser

FMSFIE Transactional Facility Management Standard Browser/Printer

Configure Find View Print Strategy Help

Entity Set  
asset

Entity Classes  
core

Table Physical Name  
ASSET  
ASSET\_CLASS\_REF  
ASSET\_OBJECT\_PARAMETER  
ASSET\_PERSON\_OBJECT\_MILESTONE  
CATEGORY\_CODE\_REF  
COLOR\_REF  
COLOR\_TYPE\_REF  
CONSTANT\_FACTOR  
CONTROL\_NUMBER\_TYPE\_REF  
DATA\_LINK\_TYPE\_REF  
DOD\_BASIC\_CATEGORY\_CODE\_REF  
DOD\_CATEGORY\_GROUP\_REF  
DOD\_FAC\_CODE\_MEASURE\_XREF  
DOD\_FAC\_ANALYSIS\_CAT\_CD\_REF  
EVENT\_TYPE\_REF  
FEATURE\_TYPE\_REF  
FREQUENCY\_CODE\_REF  
GEOGRAPHIC\_LOCATION\_REF

Entity Set  
Asset

Entity Class  
Core

Sub-Class  
Base

Family  
Generic

Information Model Code  
amcorbasgen

Definition  
This table contains information about federal real property and other related entities based on their classification and need to support organizational requirements.

ASSET Attributes

ASSET\_SAID  
ASSET\_NM  
ASSET\_DESC\_TX  
ASSET\_ID  
ASSET\_CLASSFN\_SAID  
ASSET\_CLASSFN\_IL\_SAID  
PROPERTY\_RECORD\_NO  
CAT\_CODE\_SAID  
OWNERSHIP\_SAID  
PRI\_ORG\_SAID  
READNS\_RTG\_SAID

Data Type  
Character

Length  
40

Key Type

Links to

Definition  
A unique identifying name and/or number assigned to the subject item

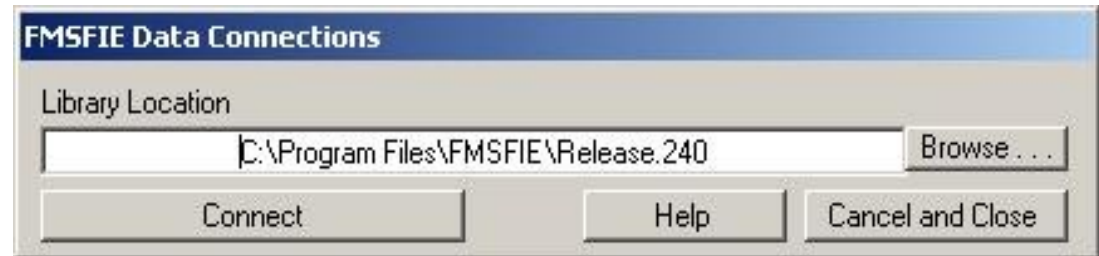
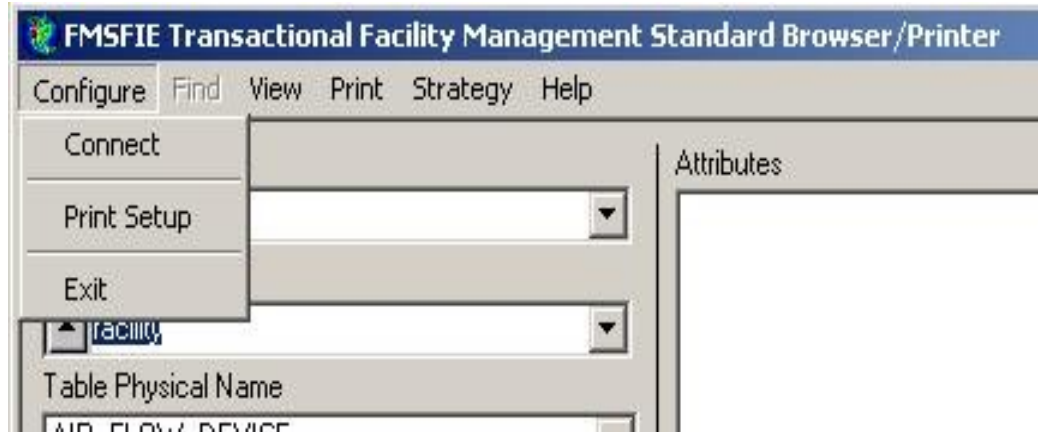
Relates to  
ASSET\_CLASS\_REF  
CATEGORY\_CODE\_REF  
OWNERSHIP\_REF  
READINESS\_RATING\_REF

No Sample Reference Values

# FMSFIE Toolbox -Desktop Tools

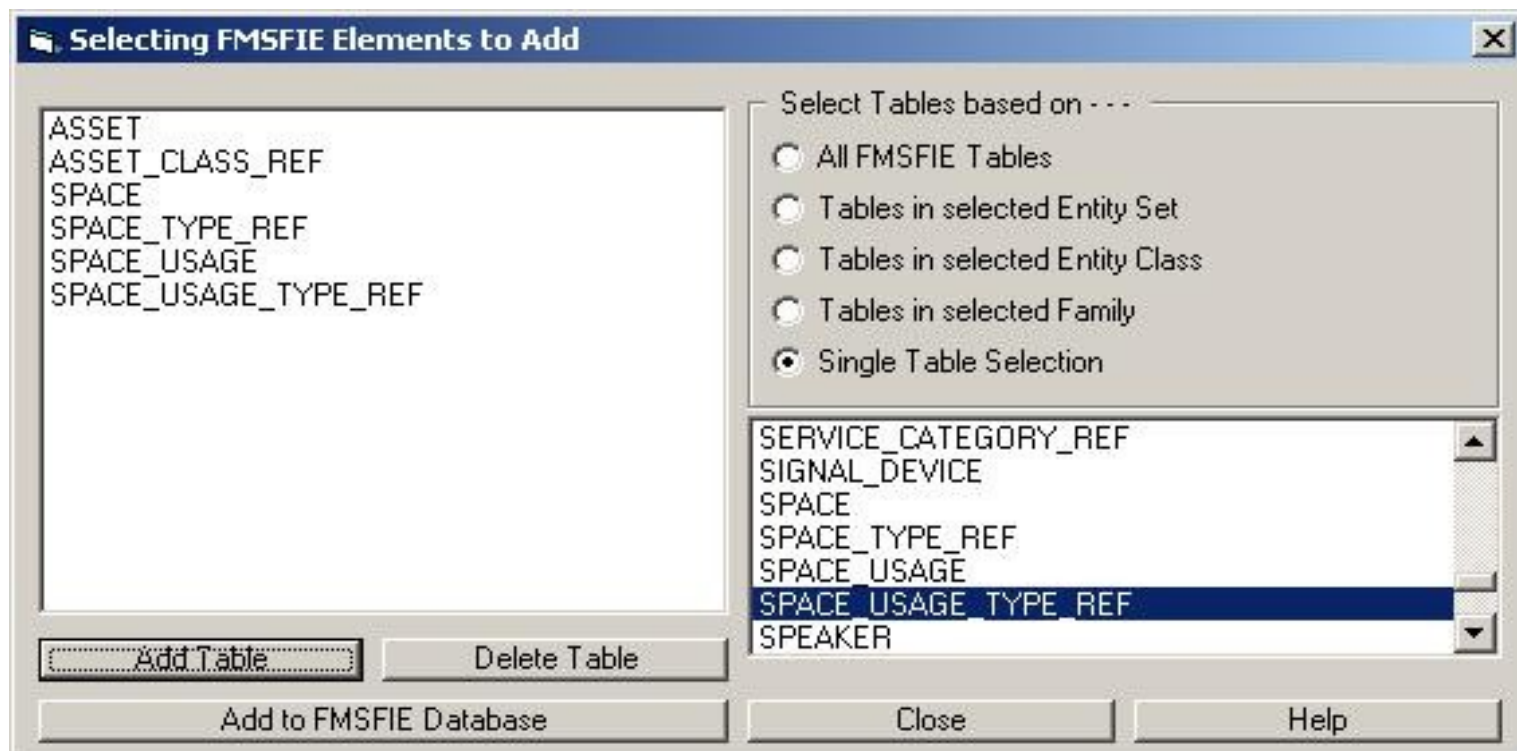
## Library Connection:

- Make sure you are connected to most current FMSFIE Library.
- Select “Connect” from “Configure” Menu.
- Browse to Folder containing most current FMSFIE Release.



# FMSFIE Toolbox - Beta Release 2.40

## Desktop Access Database Builder





# QUESTIONS?

Bobby G. Carpenter

CADD/GIS Technology Center

*for facilities, infrastructure, and environment*

phone: 601-634-4572

E-mail: [Bobby.G.Carpenter@erdc.usace.army.mil](mailto:Bobby.G.Carpenter@erdc.usace.army.mil)

CADD GIS Technology Center Internet URL :

<https://tsc.wes.army.mil>